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TRANSMITTAL FORM (for all correspondence after initial filing)	Attorney Docket No. BAT-101	TOTAL PAGES: 15
	Application Number 10/029,399	
	Filing Date OCTOBER 19, 2001	
	First Named Inventor ROBERT G. BATCHKO	
	Group Art Unit 2874	
	Examiner LEONIDAS BOUTSIKARIS	

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APR 14 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number: 10/029,399
Attorney Docket Number: BAT-101
Filing Date: October 19, 2001
Applicant: Robert G. Batchko
Application Title: Combinatorial Optical Processor
Examiner: Leonidas Boutsikaris
Art Unit: 2872

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RESPONSE TO RESTRICTION REQUIRMENT

Sir:

In response to the Office Action mailed March 18, 2005 in the above application, and prior to Examination on the merits, kindly consider the following remarks.

REMARKS begin on page 2 of this paper.

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Response Dated April 14, 2005

Attorney Docket No.: BAT-101
Reply to Office Action of March 18, 2005

REMARKS

ELECTION/RESTRICTION

In the Office Action of March 18, 2005, the Examiner has required election of one of the following species and list all claims readable thereon:

Species I drawn to a combinatorial optical processor comprising N addressable optical elements, where N is greater than or equal to 1.

Species II drawn to a combinatorial optical processor method for producing an image of an object using randomly addressable optical elements.

Species III drawn to a method for optical D/A conversion using a combinatorial optical processor comprising N addressable optical elements.

Species IV drawn to an imaging system comprising N addressable optical elements, where N is greater than or equal to 1.

Species V drawn to a three-dimensional display apparatus comprising optical modules and a module controller, wherein the optical modules comprise N addressable optical elements, where N is greater than or equal to 1.

Species VI drawn to a linked combinatorial optical system comprising a pair of linked combinatorial optical systems, each having N addressable optical elements.

Species VII drawn to a compound linked combinatorial optics system comprising a pair of combinatorial optical linked systems, each having a pair of linked combinatorial optics systems comprising N addressable elements.

In response, the Applicant hereby elects Species I, readable on claims 1-53, 146 and 147 with traverse. In traversing the requirement, the Applicant submits that claim 1 is a generic claim that is generic to all seven species. As the Examiner has stated in the Office Action, upon allowance of the generic claim, the Applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim. Claim 1 recites "A combinatorial optical processor, comprising one or more optical modules; wherein at least one of the one or more optical modules includes N addressable optical elements, where N is an integer greater than or equal to 1." Each of independent claims 54, 63, 70, 95, 114, 129, 146 and 147 recites N addressable optical elements, where N is either explicitly or implicitly greater than or equal to 1. Independent claims 70, 95,

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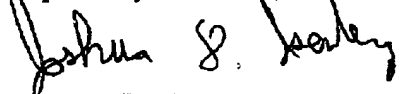
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114, 129, 146 and 147 explicitly recite that N is greater than or equal to 1. The Applicant submits that in claim 54, it is implied that N is greater than or equal to 2, which is greater than or equal to 1. In claim 63, it is implied that N is greater than or equal to 1.

CONCLUSION

In view of the above remarks, the Applicant respectfully request that the Examiner consider the application and point out the allowable subject matter in the next Office Action.

Respectfully submitted,


Joshua D. Isenberg
Patent Attorney, Reg. No. 41,088

Date: 4/14/2005

JDI PATENT
204 Castro Lane
Fremont, CA 94539
tel.: 510-896-8328